CONTENTS VOLUME 88

Vol. 88 No. 1 2004

HENRY E. KANDRUP and STEVEN J. NOVOTNY / Phase Mixing in Unperturbed and Perturbed Hamiltonian Systems 1–35

FABIAN JOSEF WINTERBERG and EFI MELETLIDOU / Non-Continuation of Integrals of the Rotating Two-body Problem in Hill's Lunar Problem 37–49

C. BEAUGÉ / The Parabolic Three-body Problem 51–68

SHIN-CHAN HAN / Efficient Determination of Global Gravity Field from Satellite-to-Satellite Tracking Mission 69–102

Vol. 88 No. 2 2004

J. KUANG, S. TAN and Y. WANG / GPS-Based On-Board Orbit Determination of a Satellite Using Extended H_∞ Filtering Algorithms 103–122

R. BRASSER, D. C. HEGGIE and S. MIKKOLA / One to One Resonance at High Inclination 123–152

S. BREITER, G. MÉTRIS and D. VOKROUHLICKÝ / Generalized Hansen Coefficients 153–161

G. CONTOPOULOS and K. EFSTATHIOU / Escapes and Recurrence in a Simple Hamiltonian System 163–183

G. PUCACCO and K. ROSQUIST / Non-Integrability of a Weakly Integrable Hamiltonian System 185–207

V. A. BRUMBERG / On Relativistic Equations of Motion of an Earth Satellite 209–225

Vol. 88 No. 3 2004

ESTHER BARRABÉS and GERARD GÓMEZ / A Note on Second Species Solutions Generated from p–q Resonant Orbits 229–244

M.-C. ANISIU, C. BLAGA and G. BOZIS / Special Families of Orbits in the Direct Problem of Dynamics 245–257

ÁRON SÜLI, BÁLINT ÉRDI and ANDRÁS PÁL / A New Method to Determine the Derivatives of the Laplace Coefficients 259–268

DAVID M. LUCCHESI / LAGEOS Satellites Germanium Cube-Corner-Retroreflectors and the Asymmetric Reflectivity Effect 269–291

A. J. MACIEJEWSKI and S. M. RYBICKI / Global Bifurcations of Periodic Solutions of the Restricted Three Body Problem 293–324

Vol. 88 No. 4 2004

A. D. BRUNO and V. P. VARIN / Classes of Families of Generalized Periodic Solutions to the Beletsky Equation 325–341

T. KOTOULAS and G. VOYATZIS / Comparative Study of the 2:3 and 3:4 Resonant Motion with Neptune: An Application of Symplectic Mappings and Low Frequency Analysis 343–363

S. ZHANG, Q. ZHOU and Y. LIU / New Periodic Solutions for 3-Body Problems 365–378

J. C. MUZZIO and M. E. MOSQUERA / Spatial Structure of Regular and Chaotic Orbits in Self-Consistent Models of Galactic Satellites 379–396

S. RENNER and B. SICARDY / Stationary Configurations for Co-Orbital Satellites with Small Arbitrary Masses 397–414

Instructions for Authors 415–420

Volume Contents 421–422